

Appln. No. 09/696,114
Amendment dated March 28, 2006
Reply to Office Action of January 4, 2006

Amendments to the Claims:

Please amend claims 124, 126, 127, 130, 131-133, 135-137, 139, 140, 142, 144, 147-154, 157-160, 162-169 and 171, and add new claims 172 and 173 as follows. The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-123 (Cancelled).

Claim 124 (Currently Amended). A book copying system for copying a book based on electronic image data obtained through a network, comprising:

5 a data service system connected to the network ~~[[and]]~~ to supply electronic image data of a book through the network, the data service system ~~having~~ comprising:

a data storage section in which image data of a plurality of different books are stored, and

10 a data managing section to manage the stored image data; and

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an image forming apparatus remote from the data service system, being connected to the data service system through the network and having a copy mode and a book publishing mode, the image forming apparatus comprising:

15 an input section to select one of the copy mode and the book publishing mode,

an image reading section to read an image of a document,

20 an image forming section apparatus internal to the image forming apparatus, and

a ~~print managing~~ control section,

wherein ~~the image forming apparatus is installed at a place where the image forming apparatus provides a copy service for a user as a print service station and when the input section~~
25 selects the copy mode, the control section controls the image reading section ~~[[reads]]~~ to read an image of a document ~~carried by a user to the place~~ so as to generate image data of the document~~[[,]]~~ and the image forming ~~apparatus~~ section makes a copy of the document based on the generated image data, and

30 when the input section selects the book publishing mode, the control section controls the input section ~~inputs~~ so as to input a print order ~~of a user~~ to print a copy of an ordered book, the

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35 ~~print managing control~~ section communicates with the data service system so as to obtain image data of the ordered book from the data storage section through the network and the image forming ~~apparatus~~ section prints a copy of the ordered book based on the obtained image data through the network.

Claim 125 (Cancelled).

5 Claim 126 (Currently Amended). The book copying system of claim 124 further comprising a calculating section, wherein the ~~print service station~~ image forming apparatus reports a print result of the copy to the calculating section and the calculating section reduces the copy charge in accordance with the printing result of the copy.

Claim 127 (Currently Amended). The book copying system of claim 126, wherein the ~~print service station~~ image forming apparatus comprises a copy result detecting section which reports the printing result.

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Claim 128 (Previously Presented). The book copying system of claim 126, wherein the printing result includes a notice to indicate successful printing.

Claim 129 (Cancelled).

Claim 130 (Currently Amended). The book copying system of claim [[124]] 126, wherein [[when]] the calculating section is provided in the ~~print service station~~, image forming apparatus, and the data service system transmits [[the]] a data service charge through the network to the ~~print service station~~ image forming apparatus so that the calculating section calculates the copy charge.

Claim 131 (Currently Amended). The book copying system of claim [[124]] 126, wherein [[when]] the calculating section is provided in the data service system, and the ~~print service station~~ image forming apparatus transmits [[the]] a print service charge through the network to the data service system so that the calculating section calculates the copy charge.

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Claim 132 (Currently Amendedd). The book copying system of claim 131, wherein after the ~~print service station~~ image forming apparatus prints the copy, the ~~print service station~~ image forming apparatus transmits the print service charge through the
5 network to the data service system so that the calculating section calculates the copy charge.

Claim 133 (Currently Amended). The book copying system of claim 124, wherein ~~[[the]]~~ a data service system sets ~~[[the]]~~ a data service charge based on at least one of a royalty of a copyright on the book, a data conversion fee to convert an
5 original book into electronic image data and a service charge to transmit the image data.

Claim 134 (Previously Presented). The book copying system of claim 133, wherein when the copyright on the ordered book is terminated, the data service system excludes the royalty of the copyright from the data service charge.

Claim 135 (Currently Amended). The book copying system of claim 124, wherein the ~~print service station~~ image forming apparatus sets ~~[[the]]~~ a print service charge based on at least

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one of a rental fee for materials and a rental fee for a printer
5 which is used for printing the image data.

Claim 136 (Currently Amended). The book copying system of
claim 135, wherein before the ~~print service station~~ image forming
apparatus prints the image data, the ~~print service station~~ image
forming apparatus estimates [[the]] a copy service charge based
5 on at least one of the rental fee for the materials and the
rental fee for the printer which are expected to be used for
printing the image data.

Claim 137 (Currently Amended). The book copying system of
claim 135, wherein after the ~~print service station~~ image forming
apparatus ~~printed~~ prints the image data, the ~~print service~~
~~station~~ image forming apparatus sets [[the]] a copy service
5 charge based on at least one of [[the]] a rental fee for the
materials and [[the]] a rental fee for the ~~printer~~ image forming
section which were used for printing the image data.

Claim 138 (Cancelled).

Claim 139 (Currently Amended). The book copying system of
claim 135, wherein the ~~print service station~~ image forming

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section comprises a plurality of printers and sets the print service charge for each of the plurality of printers.

Claim 140 (Currently Amended). The book copying system of claim ~~[[124]]~~ 139, wherein at least one of ~~[[the]]~~ a data service charge and the print service charge is encrypted.

Claim 141 (Previously Presented). The book copying system of claim 140, wherein at least one of the data service charge and the print service charge is provided with a digital signature encrypted with a cryptography key.

Claim 142 (Currently Amended). The book copying system of claim 124, wherein at least one of the data service system and the ~~print service station~~ image forming apparatus comprises a data processing section to compile the image data in accordance with ~~[[the]]~~ a print specification of the user, the ~~print service station~~ image forming apparatus controls a printing condition to print the compiled image data with an image forming section by ~~the print section~~ in accordance with the print specification, wherein the ~~print service station~~ image forming apparatus sets an estimated copy charge in accordance with the print

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specification and indicates the estimated copy charge for the user, and

wherein when the user agrees to the estimated copy charge, the ~~print service station~~ image forming apparatus sends an order
15 signal to the data service system.

Claim 143 (Cancelled).

Claim 144 (Currently Amended). The book copying system of claim 142, wherein the data service system transmits an estimated data service charge for the image data of the ordered book to the ~~print service station~~ image forming apparatus and the ~~print~~
5 ~~service station~~ image forming apparatus sets the estimated copy charge based on the estimated data service charge.

Claim 145 (Previously Presented). The book copying system of claim 144, wherein the data service system transmits the estimated data service charge together with a period of validity and when the period of validity has expired, the data service
5 system makes the estimated data service charge invalid.

Claim 146 (Cancelled).

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Claim 147 (Currently Amended). The book copying system of claim 142, wherein the data managing section of the data service system transmits job ID information to the ~~print service station~~ image forming apparatus and the data storage section.

Claim 148 (Currently Amended). The book copying system of claim 147, wherein when the user agrees to an estimated copy charge and sends an order signal, the data service system transmits job ID information to the ~~print service station~~ image forming apparatus.

Claim 149 (Currently Amended). The book copying system of claim 147, wherein the data storage section specifies image data and the ~~print service station~~ image forming apparatus to be sent the image data on the basis of the job ID information.

Claim 150 (Currently Amended). The book copying system of claim 149, wherein the data storage section collates the job ID information sent to the ~~print service station~~ image forming apparatus with the job ID information sent from the data managing section, specifies the ~~print service station~~ image forming apparatus having the same job ID information with the job ID information sent from the data managing section, and sends the

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image data to the ~~print service station~~ image forming apparatus
having the same job ID information.

Claim 151 (Currently Amended). The book copying system of
claim 149, wherein the data storage section forwards the job ID
information sent to the ~~print service station~~ image forming
apparatus to the data managing section and the data managing
5 section collates the job ID information with the job ID
information forwarded from the data storage section and specifies
the ~~print service station~~ image forming apparatus to which the
image data will be sent.

Claim 152 (Currently Amended). The book copying system of
claim 151, wherein the data managing section transmits a data
storing location to the ~~print service station~~ image forming
apparatus in response to the order signal.

Claim 153 (Currently Amended). The book copying system of
claim 152, wherein the ~~print service station~~ image forming
apparatus accesses the data storage section on the basis of the
obtained data storing location and sends the print specification
5 to the data storage section.

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Claim 154 (Currently Amended). The book copying system of claim 153, wherein the data storage section includes ~~[[the]]~~ a data processing section which compiles the image data on the basis of the print specification.

Claim 155 (Previously Presented). The book copying system of claim 153, wherein the print specification includes a print mode and the data processing section compiles a page arrangement in accordance with the print mode.

Claim 156 (Previously Presented). The book copying system of claim 155, wherein the print mode includes a page-unit print and a book-unit print.

Claim 157 (Currently Amended). The book copying system of claim 153, wherein the data storage section encrypts the image data and the ~~print service station~~ image forming apparatus decrypts the encrypted data and conducts the printing on the
5 basis of the decrypted data.

Claim 158 (Currently Amended). The book copying system of claim 157, wherein the ~~print service station~~ image forming apparatus conducts a trial printing before the printing.

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Claim 159 (Currently Amended). The book copying system of claim 153, wherein the ~~print managing control~~ section of the ~~print service station image forming apparatus~~ requests the ~~[[print]] image forming~~ section to conduct the printing after
5 obtaining the image data from the data storing location.

Claim 160 (Currently Amended). The book copying system of claim 159, wherein the ~~print service station image forming apparatus~~ reports a print result of the copy and the book copying system adjusts ~~[[the]] a~~ copy charge in accordance with the
5 printing result of the copy.

Claim 161 (Previously Presented). The book copying system of claim 160, wherein the book copying system conducts a payment charging processing on the basis of the printing result.

Claim 162 (Currently Amended). The book copying system of claim 160, wherein at least one of the ~~estimated~~ copy charge and the printing result is provided with a digital signature by a public key cryptograph method.

Claim 163 (Currently Amended). The book copying system of claim 142, wherein when the ~~print service station image forming~~

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apparatus requests a log-in for the data service system, the data service system certifies the request of log-in of the ~~print~~
5 ~~service station image forming apparatus~~.

Claim 164 (Currently Amended). The book copying system of claim 163, wherein the ~~print service station image forming~~
apparatus is provided with a cryptograph key for each client and when the ~~print service station image forming apparatus~~ accesses
5 the data service system, the ~~print service station image forming~~
apparatus makes a digital signature encrypted by the cryptograph key.

Claim 165 (Currently Amended). The book copying system of claim 163, wherein when the ~~print service station image forming~~
apparatus accesses the data service system, the ~~print service~~
~~station image forming apparatus~~ makes a digital signature by a
5 public key cryptograph method.

Claim 166 (Currently Amended). The book copying system of claim 142, wherein [[when]] the calculating section is provided in the ~~print service station image forming apparatus~~, and the data service system transmits the data service charge through the

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- 5 network to the ~~print service station~~ image forming apparatus so
that the calculating section calculates the copy charge.

Claim 167 (Currently Amended). The book copying system of
claim 142, wherein [[when]] the calculating section is provided
in the data service system, the ~~print service station~~ image
forming apparatus transmits the print service charge through the
5 network to the data service system so that the calculating
section calculates the copy charge.

Claim 168 (Currently Amended). The book copying system of
claim 124, wherein the ~~print service station~~ image forming
apparatus selectively sets a printing condition in accordance
with the print order and sets a print service charge in
5 accordance with the selected printing condition.

Claim 169 (Currently Amended). The book copying system of
claim 124, wherein after the ~~print service station~~ image forming
apparatus prints the image data, the ~~print service station~~ image
forming apparatus determines a print service charge in accordance
5 with the print result of the copy of the ordered book.

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Claim 170 (Previously Presented). The book copying system of claim 124, wherein the data service system sets a data service charge for the image data of the ordered book.

Claim 171 (Currently Amended). The book copying system of claim 124, further comprising:

a calculating section connected to the network to receive
[[the]] a data service charge and [[the]] a print service charge
5 and to calculate a copy charge based on the data service charge
and the print service charge and to conduct a payment charging
process for the user in accordance with the calculated copy
charge.

Claim 172 (New). The book copying system of claim 124,
wherein the image forming apparatus is installed at a place where
the image forming apparatus provides a copy service for a user as
a print service station.

Claim 173 (New). The book copying system of claim 124,
wherein the control section has an interruption mode with which
when the input section selects a copy mode while the image
forming apparatus prints a copy of the ordered cook in the book
5 publishing mode, the control section interrupts the book

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publishing mode, conducts the copy mode and resumes the book
publishing mode after the image forming apparatus has completed
making a copy of a document in the copy mode.